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enhanced
NEWS 6 OCT 22 WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT
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pre-registered REACH substances
NEWS 8 NOV 21 CAS patent coverage to include exemplified prophetic
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FILE 'HOME' ENTERED AT 16:05:39 ON 10 DEC 2008

=> file medline caplus embase biotechno biosis scisearch
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 0.63 0.63

FILE 'MEDLINE' ENTERED AT 16:07:08 ON 10 DEC 2008

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=> s connexin

L1 29559 CONNEXIN

=> s connexin 43

L2 13958 CONNEXIN 43

=> s l1 and antisense

L3 507 L1 AND ANTISENSE

=> s l3 and antisense

L4 507 L3 AND ANTISENSE

=> s l2 and antisense

L5 329 L2 AND ANTISENSE

=> s l1 and eye

L6 923 L1 AND EYE

=> s l3 and eye

L7 34 L3 AND EYE

=> s l5 and eye

L8 24 L5 AND EYE

=> dup rem l7

PROCESSING COMPLETED FOR L7

L9 18 DUP REM L7 (16 DUPLICATES REMOVED)

=> dup rem l8

PROCESSING COMPLETED FOR L8

L10 10 DUP REM L8 (14 DUPLICATES REMOVED)

=> s l7 not l8

L11 10 L7 NOT L8

=> d 1-10 ti

L11 ANSWER 1 OF 10 MEDLINE on STN

TI Biophysical characterization of zebrafish connexin35 hemichannels.

L11 ANSWER 2 OF 10 MEDLINE on STN

TI Cloning and expression of two related connexins from the perch retina

define a distinct subgroup of the connexin family.

- L11 ANSWER 3 OF 10 MEDLINE on STN
TI Functional analysis of selective interactions among rodent connexins.
- L11 ANSWER 4 OF 10 MEDLINE on STN
TI Chick connexin-56, a novel lens gap junction protein. Molecular cloning and functional expression.
- L11 ANSWER 5 OF 10 MEDLINE on STN
TI Bovine lens membrane proteins: MP70, MP64, and MP38 are products of the same gene.
- L11 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
TI Gene expression profile for diagnosing small cell lung cancer, discriminating from non-small cell lung cancer, and assessing chemotherapy-resistant lung cancer
- L11 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
TI Connexin 48.5 is Required for Normal Cardiovascular Function and Lens Development in Zebrafish Embryos
- L11 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
TI Expression of heteromeric lens connexons in Xenopus oocytes
- L11 ANSWER 9 OF 10 EMBASE COPYRIGHT (c) 2008 Elsevier B.V. All rights reserved on STN
TI Connexin 48.5 is required for normal cardiovascular function and lens development in zebrafish embryos.
- L11 ANSWER 10 OF 10 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN
TI Multiple connexins contribute to intercellular communication in the Xenopus embryo.

=> d 18 ti 1-24

- L8 ANSWER 1 OF 24 MEDLINE on STN
TI Connexin43 knockdown accelerates wound healing but inhibits mesenchymal transition after corneal endothelial injury in vivo.
- L8 ANSWER 2 OF 24 MEDLINE on STN
TI Levels of transient gap junctions between the retinal pigment epithelium and the neuroblastic retina are influenced by catecholamines and correlate with patterns of cell production.
- L8 ANSWER 3 OF 24 MEDLINE on STN
TI Use of pIRES vectors to express EGFP and connexin constructs in studies of the role of gap junctional communication in the early development of the chick retina and brain.
- L8 ANSWER 4 OF 24 MEDLINE on STN
TI Connexin alpha1 and cell proliferation in the developing chick retina.
- L8 ANSWER 5 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN
TI Levels of transient gap junctions between the retinal pigment epithelium and the neuroblastic retina are influenced by catecholamines and correlate with patterns of cell production
- L8 ANSWER 6 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN
TI Antisense oligonucleotides targeting connexin

43 for corneal disease

- L8 ANSWER 7 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN
TI Anti-connexin compounds for treatment of vascular, inflammatory and neurological disorders
- L8 ANSWER 8 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN
TI Use of antisense oligonucleotides targeting connexin mRNA for reducing tissue damage associated with eye surgery
- L8 ANSWER 9 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN
TI Multiple connexins contribute to intercellular communication in the *Xenopus* embryo
- L8 ANSWER 10 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN
TI Use of pIRES vectors to express EGFP and connexin constructs in studies of the role of gap junctional communication in the early development of the chick retina and brain
- L8 ANSWER 11 OF 24 CAPLUS COPYRIGHT 2008 ACS on STN
TI Connexin $\alpha 1$ and cell proliferation in the developing chick retina
- L8 ANSWER 12 OF 24 EMBASE COPYRIGHT (c) 2008 Elsevier B.V. All rights reserved on STN
TI Levels of transient gap junctions between the retinal pigment epithelium and the neuroblastic retina are influenced by catecholamines and correlate with patterns of cell production.
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TI Multiple connexins contribute to intercellular communication in the *Xenopus* embryo.
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TI Use of pIRES vectors to express EGFP and connexin constructs in studies of the role of gap junctional communication in the early development of the chick retina and brain.
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TI Connexin $\alpha 1$ and cell proliferation in the developing chick retina.
- L8 ANSWER 16 OF 24 BIOTECHNO COPYRIGHT 2008 Elsevier Science B.V. on STN
TI Use of pIRES vectors to express EGFP and connexin constructs in studies of the role of gap junctional communication in the early development of the chick retina and brain
- L8 ANSWER 17 OF 24 BIOTECHNO COPYRIGHT 2008 Elsevier Science B.V. on STN
TI Connexin $\alpha 1$ and cell proliferation in the developing chick retina
- L8 ANSWER 18 OF 24 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN
TI Levels of transient gap junctions between the retinal pigment epithelium and the neuroblastic retina are influenced by catecholamines and correlate with patterns of cell production.
- L8 ANSWER 19 OF 24 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN
TI Decreased gap junction intercellular communication activity and apoptosis in microvascular endothelial cells.

L8 ANSWER 20 OF 24 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on
STN
TI Modulation of connexins for corneal tissue remodelling and engineering.

L8 ANSWER 21 OF 24 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on
STN
TI Connexin alpha1 and cell proliferation in the developing chick retina.

L8 ANSWER 22 OF 24 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on
STN
TI Levels of transient gap junctions between the retinal pigment epithelium
and the neuroblastic retina are influenced by catecholamines and correlate
with patterns of cell production

L8 ANSWER 23 OF 24 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on
STN
TI Use of pIRES vectors to express EGFP and connexin constructs in studies of
the role of gap junctional communication in the early development of the
chick retina and brain

L8 ANSWER 24 OF 24 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on
STN
TI Connexin alpha 1 and cell proliferation in the developing chick retina

=> dup rem l8

PROCESSING COMPLETED FOR L8

L12 10 DUP REM L8 (14 DUPLICATES REMOVED)

=> d ti 1-10

L12 ANSWER 1 OF 10 MEDLINE on STN
TI Connexin43 knockdown accelerates wound healing but inhibits mesenchymal
transition after corneal endothelial injury in vivo.

L12 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
TI Antisense oligonucleotides targeting connexin
43 for corneal disease

L12 ANSWER 3 OF 10 MEDLINE on STN DUPLICATE 1
TI Levels of transient gap junctions between the retinal pigment epithelium
and the neuroblastic retina are influenced by catecholamines and correlate
with patterns of cell production.

L12 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
TI Anti-connexin compounds for treatment of vascular, inflammatory and
neurological disorders

L12 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
TI Use of antisense oligonucleotides targeting connexin mRNA for
reducing tissue damage associated with eye surgery

L12 ANSWER 6 OF 10 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN
TI Modulation of connexins for corneal tissue remodelling and engineering.

L12 ANSWER 7 OF 10 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN
TI Decreased gap junction intercellular communication activity and apoptosis
in microvascular endothelial cells.

L12 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN DUPLICATE 2
TI Multiple connexins contribute to intercellular communication in the
Xenopus embryo

L12 ANSWER 9 OF 10 MEDLINE on STN DUPLICATE 3
 TI Use of pIRES vectors to express EGFP and connexin constructs in studies of the role of gap junctional communication in the early development of the chick retina and brain.

L12 ANSWER 10 OF 10 MEDLINE on STN DUPLICATE 4
 TI Connexin alpha1 and cell proliferation in the developing chick retina.

=> d 1 2 4 5 6

L12 ANSWER 1 OF 10 MEDLINE on STN
 AN 2008006196 MEDLINE
 DN PubMed ID: 18172080
 TI Connexin43 knockdown accelerates wound healing but inhibits mesenchymal transition after corneal endothelial injury in vivo.
 AU Nakano Yukiko; Oyamada Masahito; Dai Ping; Nakagami Takuo; Kinoshita Shigeru; Takamatsu Tetsuro
 CS Departments of Pathology and Cell Regulation, Kyoto Prefectural University of Medicine, Kawaramachi Hirokoji, Kamigyo-ku, Kyoto, Japan.
 SO Investigative ophthalmology & visual science, (2008 Jan) Vol. 49, No. 1, pp. 93-104.
 Journal code: 7703701. ISSN: 0146-0404.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 (RESEARCH SUPPORT, NON-U.S. GOV'T)
 LA English
 FS Priority Journals
 EM 200802
 ED Entered STN: 4 Jan 2008
 Last Updated on STN: 22 Feb 2008
 Entered Medline: 21 Feb 2008

L12 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
 AN 2007:536928 CAPLUS
 DN 147:16455
 TI Antisense oligonucleotides targeting connexin 43 for corneal disease
 IN Takamatsu, Tetsuro; Dai, Ping; Kinoshita, Shigeru
 PA Kansai Technology Licensing Organization Co., Ltd., Japan
 SO PCT Int. Appl., 29pp.
 CODEN: PIXXD2

DT Patent
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007055224	A1	20070518	WO 2006-JP322239	20061108
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRAI	JP 2005-323844	A	20051108		

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2006:1339074 CAPLUS
DN 146:75331
TI Anti-connexin compounds for treatment of vascular, inflammatory and
neurological disorders
IN Green, Colin R.; Becker, David L.
PA Coda Therapeutics Limited, N. Z.
SO PCT Int. Appl., 199pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006134494	A2	20061221	WO 2006-IB1961	20060203
	WO 2006134494	A3	20080703		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
	CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				
	GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,				
	KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,				
	MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,				
	SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,				
	VN, YU, ZA, ZM, ZW				
	RW:				
	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,				
	IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,				
	CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,				
	GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,				
	KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
	AU 2006257283	A1	20061221	AU 2006-257283	20060203
	CA 2596412	A1	20061221	CA 2006-2596412	20060203
	JP 2008528678	T	20080731	JP 2007-553747	20060203
	EP 1959981	A2	20080827	EP 2006-795121	20060203
	R:				
	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,				
	IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
	KR 2008031154	A	20080408	KR 2007-720138	20070903
	IN 2007KN03287	A	20080704	IN 2007-KN3287	20070903
PRAI	US 2005-650075P	P	20050203		
	WO 2006-IB1961	W	20060203		

L12 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2005:523229 CAPLUS
DN 143:53552
TI Use of antisense oligonucleotides targeting connexin mRNA for
reducing tissue damage associated with eye surgery
PA Coda Therapeutics NZ Ltd., N. Z.
SO PCT Int. Appl., 132 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005053600	A2	20050616	WO 2004-IB4431	20041203
	WO 2005053600	A3	20060302		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
	CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				
	GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,				
	LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,				
	NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,				

